

FIG. 1

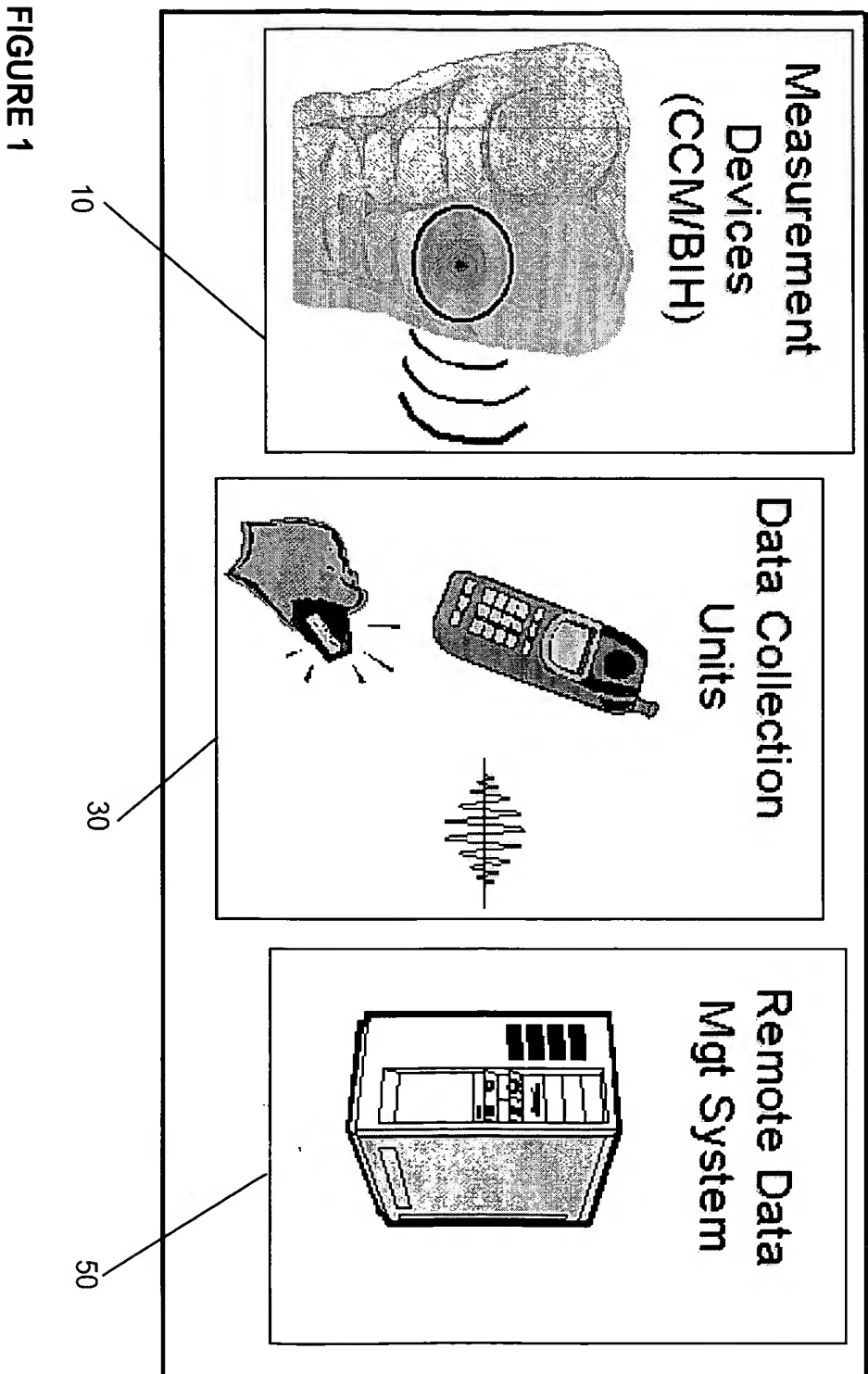
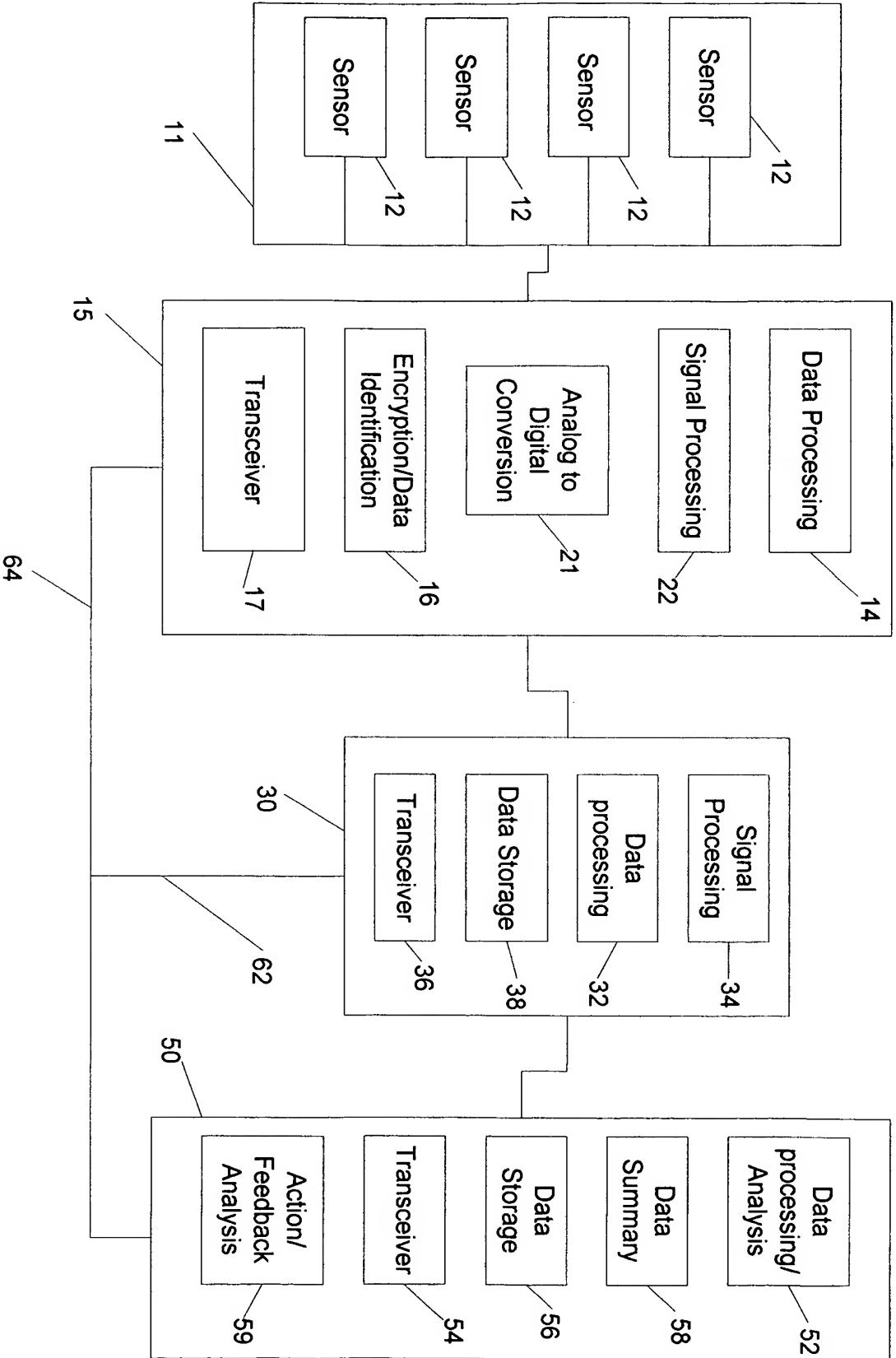


FIGURE 2

FIGURE 2



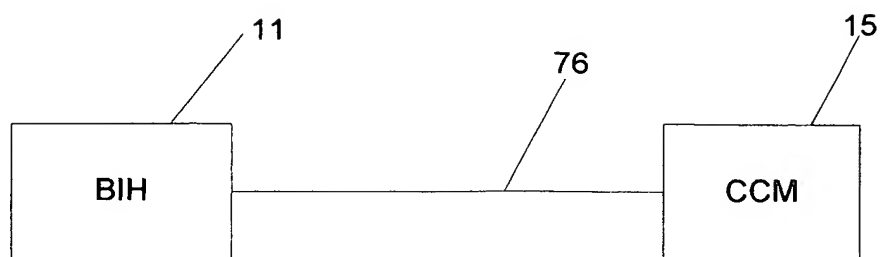


FIGURE 3

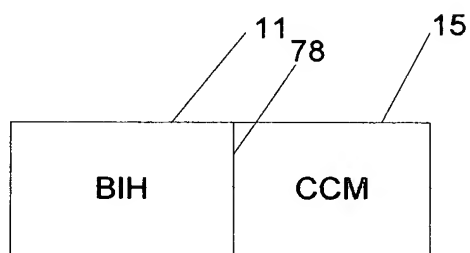


FIGURE 4

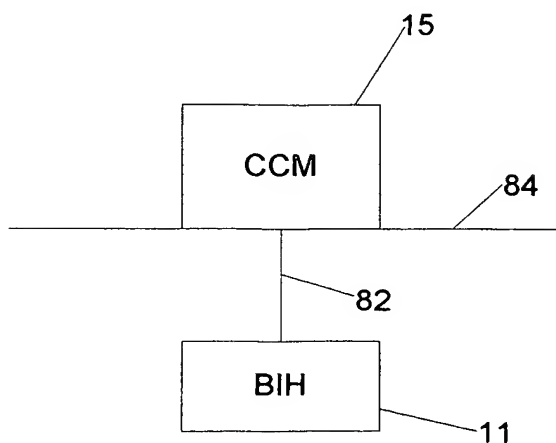


FIGURE 5

10032765 102901

FIGURE 6A

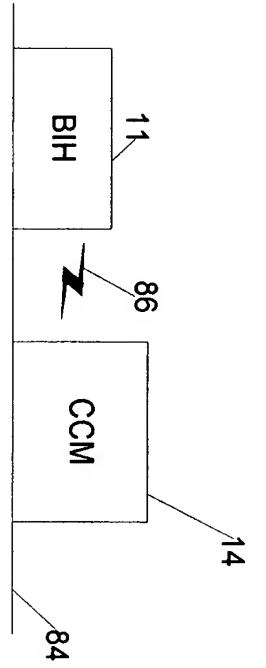


FIGURE 6A

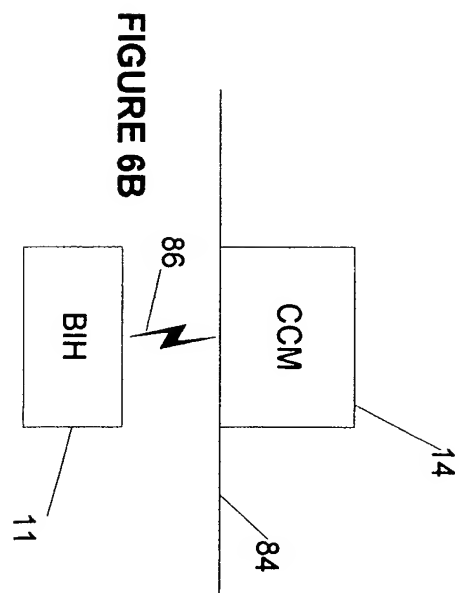


FIGURE 6B

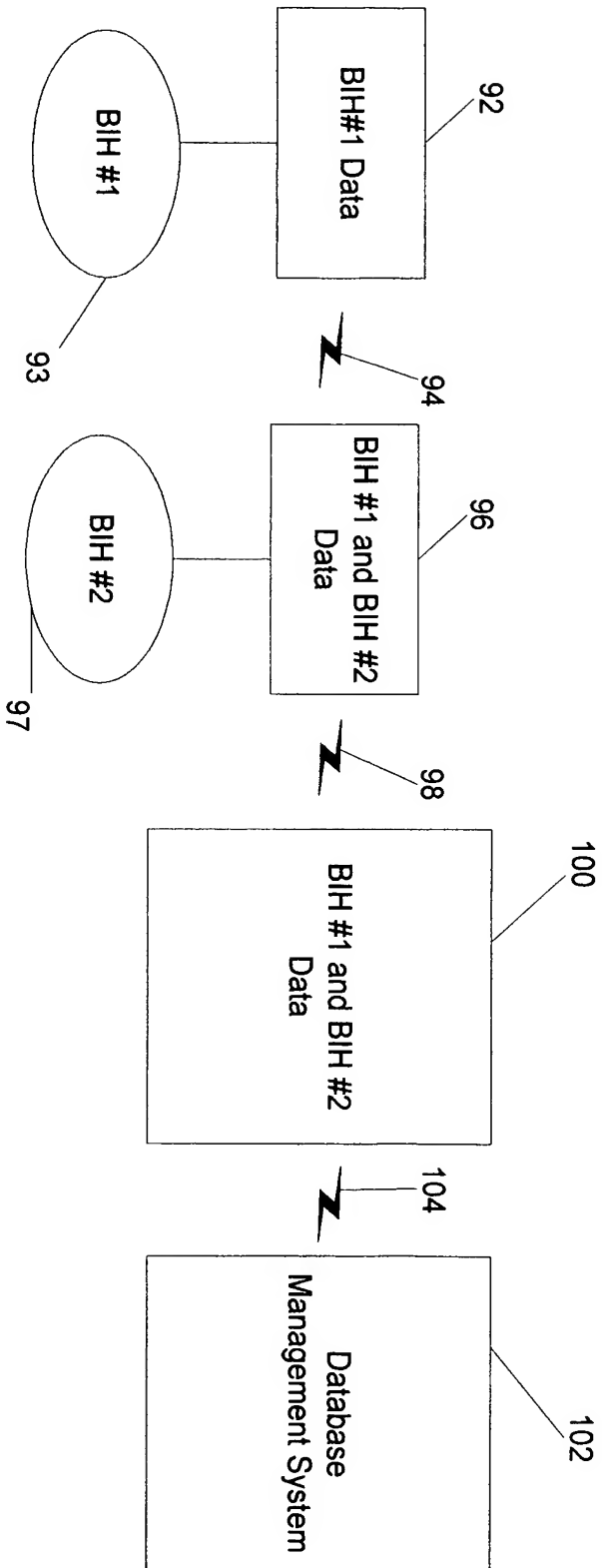


FIGURE 7

FIG. 8

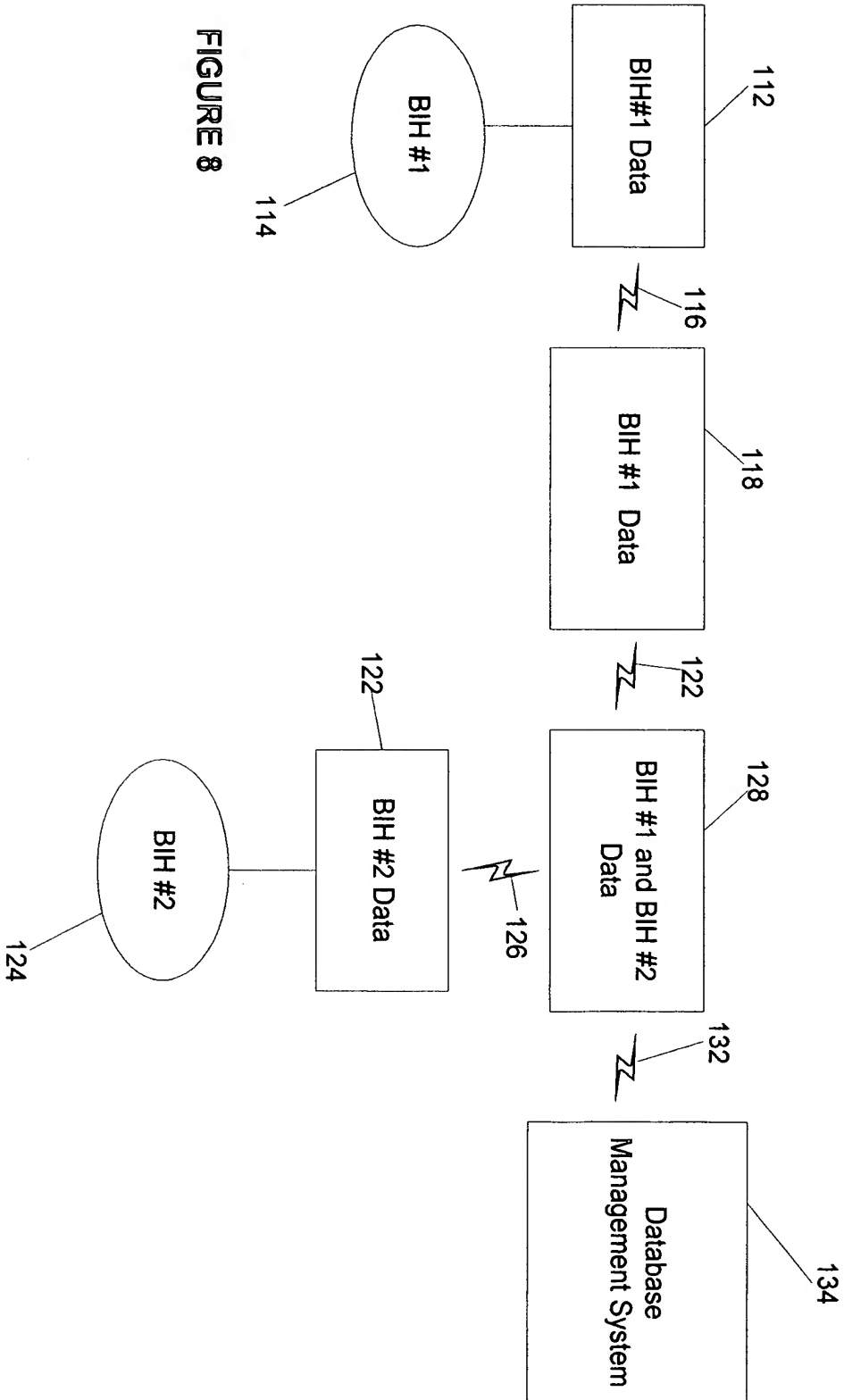
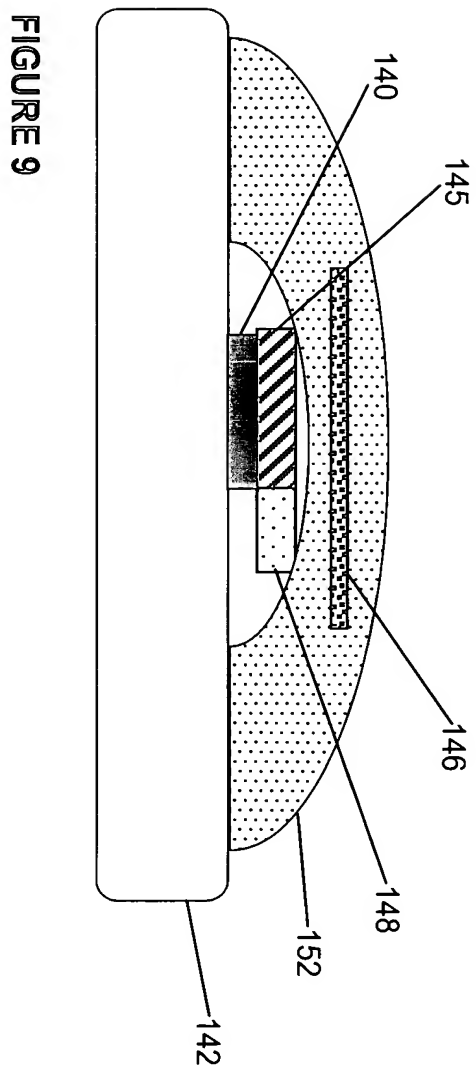
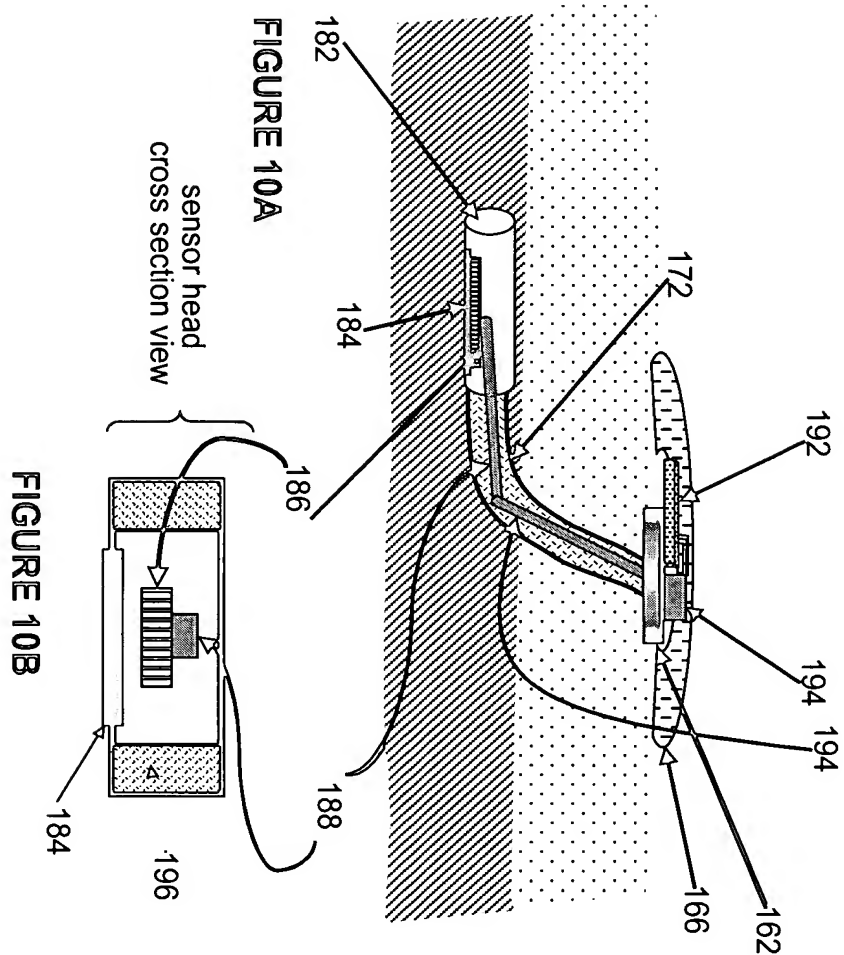


FIG. 9





Sheet 8 of 9

Bio Interface Head

- Interact with Body in order to derive a technically measurable signal
- Generate electrical signal
- Condition the electrical signal
- Filter
- Encode

FIGURE 11

Control & Communication Module

- Dynamic Signal Pre-Processing:
 - A/D conversion
 - Signal Conditioning (Noise reduction, Amplification, Averaging...)
 - Error Diagnosis
 - Error correction
 - ID management
 - Sensor Type
 - Serial Number
- Communication to DCU
- Transmit and Receive Data
- Encryption
- Transmission Protocol
- Time Reference
- Power Supply, also for BIH
- Power Control
- Feedback device

FIGURE 12

Data Collection Unit

- Communication to CCM
- Data processing
- Input device, Display and Actuators as user interface
- Network interface
- Power Supply

FIGURE 13

10032765-102901

FIG. 14

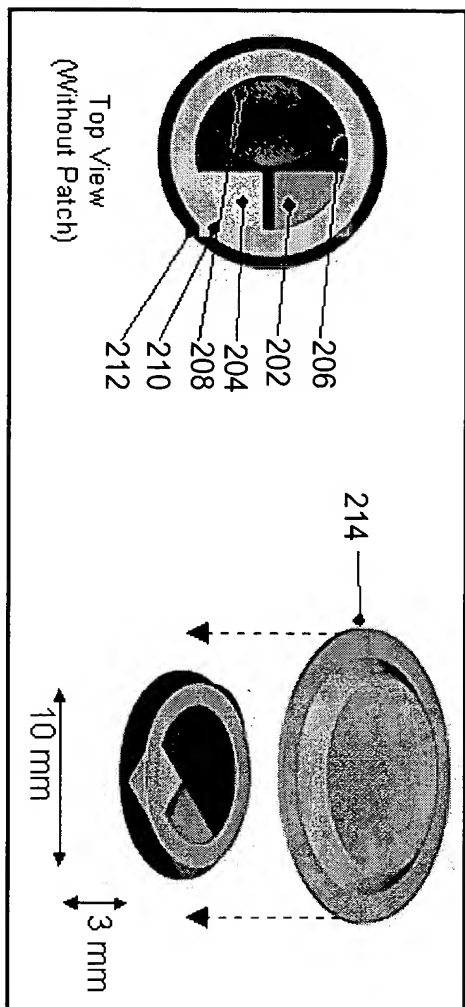


FIGURE 14